



FIGURE 8A

		10	20	30	40	50	
MOUSEPRO. DNA	1	TCGGTTTGGG	TATCATGGGA	TG-GAATGAG	AAGGGA-AAG	TAGGAGCCCG	50
HUMANPRO. DNA	1	TAGGGTTGGA	AGCCAGGTCT	CCTGAGTATG	CGAGAATAAA	TACAGTCATG	50
		60	70	80	90	100	
MOUSEPRO. DNA	51	AGAGTGC	CGGT AAGACAA--G	GCATAAGGCG	TGTCTGACAA	ATTCTTCATA	100
HUMANPRO. DNA	51	GAAGTGTA	AA GAGTCTGCCA	ACATTTTGAG	AATGTGAATA	GGATTGGC-	100
		110	120	130	140	150	
MOUSEPRO. DNA	101	CACACATTT	C CCCTTTGCAC	ATTGAGTCTG	TATAGGTTAT	TTCTATAGGA	150
HUMANPRO. DNA	101	TA-AAATTAA	GGGGATATAC	AGAAAAGTCA	TAGGAAATCA	GGTTAAAGAC	150
		160	170	180	190	200	
MOUSEPRO. DNA	151	GAAAAA	AAAT ATTCAAATTC	CTTGTGCACT	G-GTAACAGG	CATGAAGGCT	200
HUMANPRO. DNA	151	ATAAATATGA	GATAGGCTAC	AGAGTGTTTT	AAGTAATACA	ATAAACATT	200
		210	220	230	240	250	
MOUSEPRO. DNA	201	CAGCAAAGCC	AATACGTGTT	ATGTCCAGTT	GGAGACAGTG	CCAGGGCCAA	250
HUMANPRO. DNA	201	TAG--ATTTT	TGCCCATGTC	A-GTCATTTT	GAAATTATTT	TTAAAGCAAA	250
		260	270	280	290	300	
MOUSEPRO. DNA	251	CATTCCAGAC	TTCTCAGATA	GAAAGTGCGC	CTGCCTGCCC	-TGCTCTGAG	300
HUMANPRO. DNA	251	AAAACC----	TTTTTAAACA	AGAAATCTTA	TGAGATGTCA	ATATGCAAAA	300
		310	320	330	340	350	
MOUSEPRO. DNA	301	--AATTTGAA	GAGAGTAGTT	C----AGTTA	GAATTAAGAG	GCAGTAGAGA	350
HUMANPRO. DNA	301	CAAATTAAAA	GGAGGTGGTT	TCTCTAACTG	AAGCTGTTCC	TCTTTCCTGC	350
		360	370	380	390	400	
MOUSEPRO. DNA	351	AA--AGTCTT	GGGAAATCTG	GTTAGAGA--	TATAAATATG	AGAACTGGAC	400
HUMANPRO. DNA	351	CTTCAGCCTC	TGAAGAGAAA	GTTAGAAAAC	TATTATCATT	AATGCTACAT	400
		410	420	430	440	450	
MOUSEPRO. DNA	401	ATGGTG	GTAC ACACCTGTGA	TCTCTGTGTT	TAGGAGGGAG	AGGCAGAGAG	450
HUMANPRO. DNA	401	GTTTTGA-AC	AAGCTGATAT	ACCAAGTGGC	CCAGAGAGC-	AGGTAGAAGA	450
		460	470	480	490	500	
MOUSEPRO. DNA	451	ATCAGGAGTT	CAAGGCCAGC	CTGAGCTACT	TGAGACCCAG	TCTAAATAAA	500
HUMANPRO. DNA	451	ACCAGCG---	TGGAGACAGA	--AAGCAA--	-GAGGCCC-G	CCTGCCAGGG	500
		510	520	530	540	550	
MOUSEPRO. DNA	501	TAAGAGATAG	ATTACAGAGT	GCCTTTAACT	AGTACAGAGA	AAGAATTTGG	550
HUMANPRO. DNA	501	CTACCTGCAG	AA-AGAAAGG	GCAAAGATGC	TGTAGGCAAG	AGAAGTTCAG	550
		560	570	580	590	600	
MOUSEPRO. DNA	551	GTTTATCTGT	GTCAGTTACG	CTGAAATAAT	TTTTAAGTAA	TAAAATCCCT	600
HUMANPRO. DNA	551	GACAGACACT	GGCA--TA-G	CTCAAA-GAT	TCACATTTGA	GCAG-----C	600
		610	620	630	640	650	
MOUSEPRO. DNA	601	TTTAATAAGA	AACCTTATGA	G-GTCAGTAT	GCACAATGAA	CTTAAGAGAG	650
HUMANPRO. DNA	601	TGTGGAAGAT	GACAGTACAA	TTACCAAAT	GT-CGAAGGG	C--AAAGGAG	650
		660	670	680	690	700	
MOUSEPRO. DNA	651	ACCCCCAGCT	CCTGAGCTGA	GTGATGGGGA	AGGACAGCCA	CTGCCTGTGA	700
HUMANPRO. DNA	651	GC----AGCT	ACTGGTTT--	-TGATG---A	AAGACAATTA	TGTCCTTT--	700
		710	720	730	740	750	
MOUSEPRO. DNA	701	TGTGTGAGTG	ACGTGCTTCC	AAGTGTTTTA	ACCACTGACG	ATTACATAGC	750
HUMANPRO. DNA	701	TAAATGGGTC	TTAGACATTT	AGACATTTAT	AT-AC--ACT	ATGCTACGGA	750
		760	770	780	790	800	
MOUSEPRO. DNA	751	CTGCACAGTC	AGGAGAAAAC	AGCCGTATTC	TCTGCCAGTT	CTCTTCCCTT	800
HUMANPRO. DNA	751	CAAAGGAAT-	AGAAAGTAGC	A-CTTTTTTC	TCCACTAGTT	TTCTTCTCTT	800
		810	820	830	840	850	
MOUSEPRO. DNA	801	TTACAAACAG	ATGAGAGACA	CACACAGAGA	ATCCATTTAA	AGAGCGGACC	850
HUMANPRO. DNA	801	TTTCAAGTAG	ATGAAGCAAA	AGT-CAACTG	CAATAGTCAG	AAAGCTGTAC	850
		860	870	880	890	900	

FIGURE 8B

MOUSEPRO.DNA	851	TTGTTCTGA	TTAGGGGCAA	TTTTAAGTAC	TTAAGAGTTC	ACACAAAGTC	900
HUMANPRO.DNA	851	TTGTTACAC	TTAGAAACTT	CTAAAAGTGC	TTAAGATTTC	ACCTGAAAGT	900
		910	920	930	940	950	
MOUSEPRO.DNA	901	TAGCCTTCAA	AAAGAAAACA	GGTTCCCAAA	----CTA---	-GGGAGGAAA	950
HUMANPRO.DNA	901	CCAACAT-GA	AGAAAATACA	GGCTCCCCAA	TGCCCCATTTC	TAAGAAGAAA	950
		960	970	980	990	1000	
MOUSEPRO.DNA	951	CAGAATCATT	TCCATTTTGG	TGACATTTA-	GTGGGAAGAA	GCTCACAGAC	1000
HUMANPRO.DNA	951	AAGGACCATT	TTCATTTTAG	TAACGTTTCT	GTTCTATAGA	CAGTTTGGAT	1000
		1010	1020	1030	1040	1050	
MOUSEPRO.DNA	1001	ATTTAGACGT	TCCAACCTCT	TCCCCACTAG	TG-----G	ACCAAGT-AT	1050
HUMANPRO.DNA	1001	AACTAGCTCT	TACTTTTAT	CTTTAAAAC	TGTTTTTCCA	GTGAAGTTAC	1050
		1060	1070	1080	1090	1100	
MOUSEPRO.DNA	1051	ATAATATGGT	ATCTTTTGGG	CACTGGTATT	ACAA-CTGTT	TTTTAAACAA	1100
HUMANPRO.DNA	1051	GTATAATTAT	TTACTTCAAG	CG-TAGTATA	CCAAATTACT	TTAGAAATGC	1100
		1110	1120	1130	1140	1150	
MOUSEPRO.DNA	1101	AAGACTTTCC	TTGTGCTTTA	CTAAAAAC-C	CA-GACGGTG	AATCTTGAAT	1150
HUMANPRO.DNA	1101	AAGACTTTTC	TTATACTTCA	TAAAATACAT	TATGAAAGTG	AATCTTG--T	1150
		1160	1170	1180	1190	1200	
MOUSEPRO.DNA	1151	ACAATGCGTG	GCACCCACGG	CAGGCATTCT	ATTGTGCATA	GTTTTGACTG	1200
HUMANPRO.DNA	1151	TGGCTGTGTA	CATTTGACTA	TAATAATTTC	AATGCATATT	ATTTCTATTG	1200
		1210	1220	1230	1240	1250	
MOUSEPRO.DNA	1201	ACAGGAGATG	ACAGCATTTG	GCTGGCTGCG	CTTGCTGAGG	ACCCTCTCCT	1250
HUMANPRO.DNA	1201	AGAGTAAGTT	ACAGTTTTTG	GCAAACCTGCG	TTTGATGAGG	GCTATCTCCT	1250
		1260	1270	1280	1290	1300	
MOUSEPRO.DNA	1251	CCTG-TGTG-	GCGTCTGAGA	CT-GTGATGC	AAATGCGCCC	GCCCTTTTCT	1300
HUMANPRO.DNA	1251	CTTCCTGTGC	GTTTCTAAAA	CTTGTGATGC	AAACGCTCCC	ACCCTTTTCT	1300
		1310	1320	1330	1340	1350	
MOUSEPRO.DNA	1301	GGGAACACAG	AACGCCTGAG	TCAGGCGGCG	GTGGCTATTA	AAGCG-----	1350
HUMANPRO.DNA	1301	GGGAACACAG	AAAGCCTGAC	TCAGGCCATG	GCCGCTATTA	AAGCAGCTCC	1350
		1360	1370	1380	1390	1400	
MOUSEPRO.DNA	1351	---CCTGGTC	AG-----GCT	GGGCT-GCCG	CACTGCAAGG	ATG.....	1400
HUMANPRO.DNA	1351	AGCCCTGCGC	ACTCCCTGCT	GGGTGAGCAG	CACTGTAAG	ATG.....	1400

FIGURE 9A

10 20 30 40 50
 TAGGGTTGGAAGCCAGGTCTCCTGAGTATGCGAGAATAAATACAGTCATG
 60 70 80 90 100
 GAAGTGTAAGAGTCTGCCAACATTTTGAGAAATGTGAATAGGATTTGGCT
 110 120 130 140 150
 AAAATTAAGGGGATATACAGAAAAGTCATAGGAAATCAGGTTAAAGACAT
 TCF1 PEA3
 160 170 180 190 200
 AAATATGAGATAGGCTACAGAGTGTTTAAAGTAATACAATAAAACATTTA
 GATA1 NF IL6
 210 220 230 240 250
 GATTTTGGCCATGTCAAGTCATTTTGAAATTATTTTAAAGCAAAAAAAC
 NF IL6
 260 270 280 290 300
 CCTTTTAAACAAGAAATCTTATGAGATGTCAATATGCAAAACAAATTAA
 310 320 330 340 350
 AAGGAGGTGGTTTCTCTAACTGAAGCTGTTCTCTTTCTGCCTTCAGCC
 TCF1
 360 370 380 390 400
 TCTGAAGAGAAAAGTTAGAAAATATTATCATTAAATGCTACATGTTTTGAA
 NF_E1
 410 420 430 440 450
 CAAGCTGATATACCAAGTGGCCAGAGAGCAGGTAGAAGAACCAGCGTGG
 BHLH
 460 470 480 490 500
 AGACAGAAAGCAAGAGGCCCGCCTGCCAGGGCTACCTGCAGAAAAGAAAGG
 NF IL6
 510 520 530 540 550
 GCAAAGATGCTGTAGGCAAGAGAAGTTCAGGACAGACACTGGCATAGCTC
 TCF1
 560 570 580 590 600
 AAAGATTCACTTTGAGCAGCTGTGGAAGATGACAGTACAATTACCAAAA
 TCF1 BHLH BHLH
 E2A
 610 620 630 640 650
 TGTCGAAGGGCAAAGGAGGCAGCTACTGGTTTATGATGAAAGACAATTATG
 TCF1 NF IL6
 660 670 680 690 700
 TCCTTTTAAATGGGTCTTAGACATTTAGACATTTATATACACTATGCTAC
 710 720 730 740 750
 GGACAAAGGAATAGAAAGTAGCACTTTTTCTCCACTAGTTTTCTTCTCT
 TCF1
 760 770 780 790 800
 TTTTCAAGTAGATGAAGCAAAAGTCAACTGCAATAGTCAGAAAGCTGTAC
 TCF1 BHLH

FIGURE 9B

810	820	830	840	850
TTTGTTACACTTAGAACTTCTAAAAAGTGCTTAAGATTT				
	TCF1		BHLH	
860	870	880	890	900
CCAACATGAAGAAAATACAGGCTCCCCAATGCCCCATTCTAAGAAGAAAA				
910	920	930	940	950
AGGACCATTTTCATTTTAGTAACGTTTCTGTTCTATAGACAGTTTGGATA				
960	970	980	990	1000
ACTAGCTCTTACTTTTTATCTTTAAAAACTGTTTTTCCAGTGAAGTTACG				
1010	1020	1030	1040	1050
TATAATTATTTACTTCAAGCGTAGTATACCAAATTACTTTAGAAATGCAA				
			NF IL6	
1060	1070	1080	1090	1100
GACTTTTCTTATACTTCATAAAATACATTATGAAAGTGAATCTTGTTGGC				
		NF IL6		
1110	1120	1130	1140	1150
TGTGTACATTTGACTATAATAATTTCAATGCATATTATTTCTATTGAGAG				
	BHLH			
1160	1170	1180	1190	1200
TAAGTTACAGTTTTTGGCAAACCTGCGTTTGATGAGGGCTATCTCCTCTTC				
1210	1220	1230	1240	1250
CTGTGCGTTTCTAAAACTTGTGATGCAAACGCTCCCACCCCTTTCCTGGGA				
	AABS			
1260	1270	1280	1290	1300
ACACAGAAACGCTGACTCAGGCACGTGCCGCTATTAAAGCAGCTCCAGCC				
+1	AP 1	BHLH	TATA box	
1310	1320	1330		
CTGCGCACTCCCTGCTGGGTGAGCAGCACTGTAAAGATG				